

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: MSADAMS@ubvms.cc.buffalo.edu
Subject: [2957] 5 Watt Kits
Message-ID: <Pine.3.89.95083111103.A539804863-0100000@ubvms.cc.buffalo.edu>

I am getting ready for the winter DX season and that means building a 40M transciever kit, with the "full 5 watts". But wait ! Is the selection as small as I think?

I only find two "full 5 watt" kits:

1. The OHR Classic (actually a dual band)
2. The 624 Kits Deluxe

Are there more? If I have to decide between these two the decision will be tough, they are both very nice!

72, Mark

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: af840@rgfn.epcc.Edu (Chris W Brakhage)
Subject: [2948] Antique radio.
Message-ID: <9508310245.AA21469@rgfn.epcc.Edu>

CQ

I am looking for an antique German radio (pre WW2).

The name is 'VOLKSEMPHAENGER'.

It was cased in BAKELITE and has a swastika emblem.

Inside is a PC-like material with point to point wiring and two tubes.

Check your junk-boxes if you recall anything like it.

73 Chris WB5FKC/qrp ARCI.

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: Jeff Gold <JMG@tntech.edu>
Subject: [2963] build your own batter :-)
Message-ID: <01HUQ2QD1SIQ9APZQ4@tntech.edu>

>
> Please, give us the details of the battery that you built
yourself :-)
>
> 72
> Ed Manuel, N5EM
> n5em@aol.com
>
>

>Yea, how many Mason Jars, how much water and etc!
>
>72, Ron, KU7Y

OK, I told you I was more than a little stressed out.. good thing
I don't write for a living..

actually I used a small piece a fruit that I had around the
table..

72
Jeffro, AC4HF

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: PETERQUINN@aol.com
Subject: [2961] campobello island qrp
Message-ID: <950831131720_67989298@emout04.mail.aol.com>

HI:

WHILE BICYCLING EARLIER THIS MONTH,(PROB. WED 08/16) IN THE MARITIMES AND
MAINE, I MET A QRPper FROM NJ OPERATING FROM A CAMPSITE IN THE CANADIAN
NATIONAL PARC ON CAMPBELLO ISLAND.

WE HAD NICE EYEBALL QSO, BUT I'VE LOST HIS CALL AND WANT TO ASK HIM ABOUT THE
KEY HE WAS USING WITH HIS MFJ 20M RIG.

THANKS PETE, K01H

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [2947] can't get mail to Rich Arland
Message-ID: <v02130503ac6adebc18ec@[199.170.106.28]>

I get bounced at the address I have. Anyone have a working e-mail address for Rich?

Thanks,
Wayne

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: frank@yorks.demon.co.uk (Frank, G3YCC)
Subject: [2962] Help!
Message-ID: <6905@yorks.demon.co.uk>

Hi, can anyone through light on a small problem mentioned in an English ham mag? In UK mags, transistors are denoted by Tr1, Tr2 etc in circuit diagrams, whilst in the US they appear as Q1 etc. The writer of the column wonders how this notation arose. Wonder if you can offer any ideas and will pass it on. Thanks.

--

Frank G3YCC (G QRP 042)
Email: frank@yorks.demon.co.uk

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: "Patrick Tendam" <buckeye@alpha.wcoil.com>
Subject: [2944] Introduction to Buckeye Electronics
Message-ID: <199508310225.WAA08618@alpha.wcoil.com>

I don't plan on making a habit of soliciting business on the QRP list but I'd like to take this opportunity to introduce my new business which caters to the QRP crowd. The name is Buckeye Electronics and I sell small components to the homebrewer. When time permits, I homebrew too, so I'm stocking the kind of parts that I've found expensive or difficult to procure in the past.

My business philosophy is simple. I know without any doubt that I'm not going to get rich at this venture so I've resigned myself to just having fun and staying out of the red. No, I'm not going to sell at

cost, but you can be sure that you're getting a good deal. My goal is to keep the prices down as reasonable as possible so we all profit.

My pricelist is also simple. While it's not terribly large at present it does have some good parts and good prices. I'm sure it will grow in time. Let me know what you think and what you would like to see me stock.

Thanks for the bandwidth for my little announcement. Send me an e-mail and I'll return you a copy of my pricelist.

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
Subject: [2965] JPS ANC-4
Message-ID: <Pine.A32.3.90.950831152130.26836A-1000000@weyl.math.Virginia.EDU>

Has anyone used the JPS ANC-4 "antenna noise canceller", or anything like it? Or built and used some such device? I'd appreciate hearing from anyone who has. Please e-mail me direct. Thanks!

Ralph AA6UL/4

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: Jeff Gold <JMG@tntech.edu>
Subject: [2953] late, and loving it
Message-ID: <01HUPT3W30SI9AQ83F@tntech.edu>

Late and Loving IT

The grind, pretty easy to get into a routine of work, work and then work in your spare time. It seems for me, at least this is true. My current schedule gets me up before 6am and then often working intensely till 8 pm.. fall asleep in my chair by 9pm. Don't think this is the way people were really designed.

Had one of those particularly intense days.. had to manage managing all day.. some high priority tricky things to work out, then had to do 2 counseling sessions.. both intitial interviews.. a little hard on my stress levels.. then off to teach Algebra.

Got up this am and did what needed to be done.. then stopped, took a deep breath and said the H... with it and walked into the ham shack. Turned the switch to my Norcal 40 .. battery powered and Gap vertical, turned on my RS mini amplified speaker and pulled out the old Vibroplex.

Started tuning around.. things seemed to be hopping on 40 this am. Heard someone calling CQ, and calling CQ and calling CQ and calling CQ and Calling CQ.. I have noticed lately some people don't know about the 3x3 suggestion.. I find it quite annoying.. the band is open, signals are 599 and some people spend a 1/2 hour sending CQ before even giving their call sign.. then don't even stop and listen .. and do it again..

Well figured I didn't have all day and tuned around some more.. heard someone calling and waited patiently.. he called K8BVJ/QRP.. my favorite is QRP-QRP so as soon as he stopped.. rushed right in with the old bug and gave him a call.. he came right back. at the start he was about a 529 and gave me a 599.. by the end of the QSO he came up to a 599.

Well we got to chatting (and always brightens up my day to actually carry on a conversation rather than just exchange signal reports). Seems that he was using an Oak Hills Explorer. When beginners currently ask me for a first kit selection.. my choices are the Norcal or the Explorer. So here we were an Explorer to a Norcal QSO... what more can you ask for in life :-)

The conversation went to discuss the various kits and the new 4 bander Oak Hills is coming out with, and I also mentioned I was anxiously awaiting my Norcal dual band SSBer.

I did make it to work.. although about the first time in 5 years or so I was late.. and yes loving it.. feel more relaxed and my outlook for the day had improved greatly.

I have done a lot of operating and building and the excitement of talking to someone on a small radio run by a battery that you built yourself is still there.

Hope ya'll have a good'un as they say here

72,73 and still counting
Jeff, AC4HF

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: markem@primenet.com (Mark Monninger)
Subject: [2949] Need HW-16, HG-10 Manuals
Message-ID: <199508310309.UAA26674@mailhost.primenet.com>

Greetings all...

I recently acquired an HW-16/HG-10 rig but without manuals. If anyone has some they would copy for me I'd be eternally grateful. I'd also reimburse expenses. I don't need the assembly stuff, just the schematics, tune-up instructions, and maybe the specs page.

Many thanks.

Mark AA7TA markem@primenet.com

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: Steven Wilson <randyw@crl.com>
Subject: [2960] QRP and no QRM from QRO
Message-ID: <Pine.SUN.3.91.950831092619.22393B-100000@crl8.crl.com>

Want to build a real QRP station. Rules require you have to build it, factory units not allowed. Must run 100 milliwatts or less input. Even the antenna has to be QRP - transmission line, antenna and ground wire can not exceed 3 meters. You may run SSB, CW, FM, FSK, CCW, etc. Can not run dampened spark.

At present there are stations operating under the above rules. Want to give real QRP a try. Take a listen to 1600 khz to 1705 khz. Now in this low sun spot cycle is the time to give it a try. How about a real QRP WAS. who will be first.

Can not use your ham call. If your call is WX0agi call yourself 0agi, etc.

It is all legal under FCC rules Part 15.219.

At present about 50 stations all over the US are experimenting on the band. It is known as the MedFER band. Many of the stations are also amateur operators.

One thing for certain you have to know how to build a final and antenna to work around the country with a 10 ft antenna and 100 milliwatts input. The size of the capacity hat on the antenna and ground plane are not restricted.

Now is the time for a QRP-L transmitter design and QRP-L awards for stations running Micro-QRPp. Perhaps 1650 khz could be the national calling frequency.

Some ideas - build your transmitter final into the antenna to eliminate transmission line, Run FET's in Class D or E. Exciter does not have to be at the antenna it can be in your ham shack and feed the final built into the antenna via coax cable. Use a large center loading coil and perhaps a 6 foot capacity hat. Bury a lot of ground wires. Play by the rules, but push them to the limit. Who will be the first to have a qrp-l to qrp-l MedFER QSO on 1650 khz ?

de stan ak0b
e-mail via randyw@crl.com

From qrp-l@lehigh.edu Thu Aug 31 19:42:00 1995
From: wkt@phyast.nhn.uoknor.edu (Wayne K. Trail)
Subject: [2941] QRP from OKC to Dallas
Message-ID: <9508310018.AA26368@phyast.nhn.uoknor.edu>

I have a few questions concerning QRP. I have been thinking about getting into the ham hobby for several years and when I heard about QRP I decided that is what I want to do (my wife and I are on the road a good bit, and I would like to try taking it camping, etc..) So, I am thinking about buying a QRP+, but would be my ONLY rig. My only problem is that I want to occasionally be able to talk to my dad who lives in Denton, Texas about 170 miles south of here (I am in Norman, OK). Can anyone tell me if I can expect to be able to do that reliably (or semi-reliably) with QRP? I have been assuming this would be an 80 meters thing, but perhaps 40.

I live in an apartment and can probably get a decent dipole up, but not much more. I think a beam of any sort is out of the question. I have received some suggestions to get 2 rigs, but I think for space considerations and marital reasons, I cannot go that route soon.

Has anyone out there done this (i.e. had regular QSO' between say the Oklahoma city area, and the Dallas area? Is it reasonably easy? Incredibly difficult?)

One solution I am considering is say a Ten-Tec scout which will let me do QRP and run 50 watts...

any ideas?

Thanks!

wayne n0xsh wkt@m2sun.nhn.uoknor.edu

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: PDouglas12@aol.com
Subject: [2942] QRP Spring QSO party
Message-ID: <950830205247_87502384@mail04.mail.aol.com>

I don't believe it. I made it to the high scores listing by stealth. WJ2V is listed as the highest score (single band--80m) in the Spring QSO Sprint results printed in the latest QRP Quarterly--which finally arrived today.

Now, considering this was a single band effort, and a review of all the results shows it was the ONLY 80m entry, I guess it wasn't very hard to win the band!

My strategy was that I had a very poorly operating rig, putting out a feeble 6 watts with very poor prop and a half-deaf receiver. So I operated anyway, assuming there would be few competitors on 80 with propagation in the basement. But I did manage 33 contacts, and nobody else managed to mount an effort on 80. So, sometimes it helps to analyze the competition and do what you can do best. Of course, if nobody else competed, this also means I came in dead last, too.

...Uh, do I get a plaque or what?

Preston WJ2V

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [2946] Re: 30A/40A, etc.
Message-ID: <v02130502ac6adb444821@[199.170.106.28]>

Richard, I thought your questions were relevant to the QRP gang in general

so I'm forwarding this to them. Here are my answers.

> Please let me put in my \$.02 worth here and vote for a
>30m version [of the '40A] (or a mod kit for the 40A). Rat Shack
>parts are \$\$\$ and loose parts are hard to come by here. A mod kit would
>be nice.

A 30m mod is on the way. About a week or so till I have the parts list done.

>1) a RIT knob that has a zero detent center position

Others have suggested this, too. But did you ever try using one for an extended period? The detent gets fuzzier and fuzzier, until you finally can't find zero any more. Find an old HW9 that's had its RIT used a lot and you'll see what I mean. The other major problem with a center-detent pot (in my opinion) is that you can't set a particular offset that you like, then jump back and forth repeatably. I prefer the switch. Finally, detent pots are not available in the same pot style that I used for the '40A, at least not that I know of.

>2) The variable width xtal filter mod from June QRPP

This is any easy mod to build in yourself, but I too have been thinking about it as an available option for the '40A (next revision--the REAL '40B!).

>3) A 50kHz band-spread on 30m w/ a Sierra vernier (as an option?).

The cap used in the Sierra is expensive, and moreso with the dial hub and calibrated dial. A less expensive alternative is to put in a two-position switch above the VFO pot and switch between two VFO ranges. Of course, almost no-one ever uses the last 10kHz of the 30m band anyway, so you might find that 40kHz suffices.

>Great radio that will get better when I get the KC1 in it.

Thanks! I'm looking forward to comments from KC1 users.

73,
Wayne

N6KR

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [2955] Re: 30A/40A, etc.
Message-ID: <v02130506ac6b8daa3281@[199.170.106.28]>

>Is there a chance we could modify our NC40 to become an NC 30?

Hi Brien,

Yes, the 30m modification that I'm about to finish for the '40A should work equally well on the original NC40, although it will be a bit more work. The '40A has transformer coupling in and out of the receive mixer, and the 30m modification will assume the presence of these transformers. You should be able to look at a '40A schematic (published in QRPP a while back) to see what the differences are, and upgrade your '40 to the new configuration when you make the 30m changes.

I'll post mail about the 30m mod when I'm finished. I have the receiver portion completed and it works very well, although with an 8-MHz I.F. the crystal filter bandwidth is a bit wider. This doesn't seem to be an issue since there is less QRM on 30 meters.

73,
Wayne
N6KR

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: KE4IOF@aol.com
Subject: [2945] Re: 30m Rigs
Message-ID: <950830222736_67550768@mail06.mail.aol.com>

In a message dated 95-08-30 14:21:06 EDT, mikec@primenet.com (Mike Connor) writes:

> Now ready for 30m rig. Leanin hard towards SWL-30, but also wonder about
>the OHR Explorer. Did someone say they thought the receiver wasn't quite up
>to par?
> Also, anyone have any experience with the new OHR 400 4 bander?

>
>

I built the SWL-40. Excellent rig and fairly easy to build. I would imagine the 30 meter wouldn't be any different.

Mark

From qrp-l@lehigh.edu Thu Aug 31 19:42:00 1995
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [2959] Re: 5 Watt Kits
Message-ID: <95Aug31.121910edt.4270-3+1@hooch.CC.Lehigh.EDU>

> I only find two "full 5 watt" kits:
>
> 1. The OHR Classic (actually a dual band)
> 2. The 624 Kits Deluxe

I don't see the OHR Spirit on the Radio Devices WWW page, but I think it's still available... How close to 5 watts? I don't know, but I want one of these!

>From the QRP-L Resource Page at <http://qrp.cc.nd.edu/QRP-L/catalog/>

Jim N3VXI

QRP Spirit Specifications

Superheterodyne receiver design with diode ring mixer & RF pre-amp
High side LO injection for a cleaner signal
4-pole crystal ladder IF filter
4-pole audio filter
Switchable AGC circuit with manual RF gain control
VFO tuning with 8:1 vernier dial covering 100Khz (50KHz on 30m)
RIT with center detent control providing +/- 1KHz of range
Sidetone oscillator with level control
Silky smooth QSK circuit
4-5 watts RF output on all bands (at 13.6VDC)
Tx output power adjustable from 0 to full output
Both iambic and manual key jacks provided on rear panel
12-13.6VDC operation
Current drain is 270mA Rx and 1A Tx
Dimensions (HWD): 4" x 6.25" x 6.825"
Weight: 48oz.
100% complete kit

All coils prewound for easier construction
All panels prepunched for optional iambic keyer
40m and 80m versions are easy to set up for operation in the Novice
portion of the band

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [2968] Re: 5 Watt Kits
Message-ID: <199508312234.UAA16420@public.compusult.nf.ca>

Mark,

Actually the Oak Hills Research QRP Spirit II is the single band version of the Classic Dual bander. This rig and design to me is one of the premium receiver designs since it is based on a static diode ring mixer with an rf preamp. That along with crystal filtering in the IF and audio filtering in the AF stage adds up to a top-rate design.

I believe (and I need to check this) that the 624 kit is a redesign of the Gary Breed (A&A Engineering) transceiver which I believe uses an "active" mixer and varicap vfo tuning (OHR use variable capacitor).

Actually until Roy Gregson comes out with his release of the NW8020 (NE-602 design) the only five watt kits are the OHR, 624, A&A rigs (Also the new Hands from England rig - Bill at Kanga USA is carrying).

Anyway goodd luck with the QRP QRO rig.

73/72 Bob VO1DRB/WA6ERB

>I only find two "full 5 watt" kits:

>

>1. The OHR Classic (actually a dual band)

>2. The 624 Kits Deluxe

>

>Are there more? If I have to decide between these two the decision will

>be tough, they are both very nice!

>

>72, Mark

```
-----  
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRP'er Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet:      rgobrick@public.compusult.nf.ca                |  
|                bgobrick@terra.nl.net.nf.ca                   |
```

Compuserve: 70466.1405@compuserve.com

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: Jim.Nestor@ey.com
Subject: [2967] RE: campobello island qrp
Message-ID: <0014500001568828000002*@MHS>

>WHILE BICYCLING EARLIER THIS MONTH,(PROB. WED 08/16) IN THE >MARITIMES AND
>MAINE, I MET A QRPer FROM NJ OPERATING FROM A CAMPSITE IN THE >CANADIAN
>NATIONAL PARC ON CAMPBELLO ISLAND.

>WE HAD NICE EYEBALL QSO, BUT I'VE LOST HIS CALL AND WANT TO ASK >HIM ABOUT
THE
>KEY HE WAS USING WITH HIS MFJ 20M RIG.

>THANKS PETE, K01H

Pete,

I am the culprit and it was a treat to have that eyeball QSO.

The key (iambic dual paddles) in questions is called a Wabblers and is
handmade in Germany by Schurr. It is quite small, less than half the size of
my Vibroplex or Bencher paddles. However, it has a relatively heavy solid
brass base and a clear plastic dust cover and sticks nicely to the table.
The action is buttery smooth with adjustable ball bearings and some real
gold on the contacts. I prefer it over the other paddles even at home.

I searched the world over and stumbled into it at Ham radio Outlet in
Delaware last Summer. The bad news is that I paid about as much for the
paddles as I did for the MFJ 9020, around \$150. The good news (for me) is
that the price has gone up to around \$200 (wish I'd bought two now).

HRO carries several of the Schurr models including some really tiny straight
keys and a larger dual paddle model or two.

They also carry the Wabblers paddles without the base or dust cover for
around \$130 so you can mount them on your own base or build them into a box
with a keyer. Interestingly enough that price is about the same as last
year. In combination with something like a CMOS Super Keyer you'd have a
very compact and deluxe CW system.

Had fun on Campobello, then went on to Bay of Fundy, PEI and Cape Breton.
Had a ball with picnic table QRP including working Scotland with 900mw on 30
with the homebrew rig.

Hope the bike tour went well.

73/72,

Jim, WK8G
jim.nestor@ey.com

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: KD8FR@aol.com
Subject: [2950] Re: HW-9 WARC Kit
Message-ID: <950830232921_87650237@emout04.mail.aol.com>

Hi Bob,

In a recent posting, you asked:

>Anyone got a WARC band kit for the HW-9 that they would like to sell?

It just happens that Al Rea, W8LRM, 706 Church Street, St. Joseph, MI 49085
purchased the last remaining HWA-9 kits from Heathkit and has them for sale
for \$25.00 each plus shipping. His phone number is 616-983-6052.

Good luck.

72/73, Lowell KD8FR
KD8FR@AOL.COM

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [2951] Re: HW-9 WARC Kit
Message-ID: <Pine.SUN.3.91.950830222256.18075D-100000@ume>

On Wed, 30 Aug 1995 KD8FR@aol.com wrote:

> Hi Bob,
>
> In a recent posting, you asked:
>

> >Anyone got a WARC band kit for the HW-9 that they would like to sell?
>
> It just happens that Al Rea, W8LRM, 706 Church Street, St. Joseph, MI 49085
> purchased the last remaining HWA-9 kits from Heathkit and has them for sale
> for \$25.00 each plus shipping. His phone number is 616-983-6052.
>
> Good luck.
>
> 72/73, Lowell KD8FR
> KD8FR@AOL.COM
>
>

If anybody is even CONSIDERING adding the WARC bands to their HW9, take advantage of this offer. Last year, after a year of looking, I was forced to scrounge for the individual parts and instructions. After contacting Heath and then other suppliers for out of stock parts it cost me about \$100 last year. The actual installation of mods was a breeze compared to the time and hassle of getting the parts!

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Email: zabrodsk@med.ucalgary.ca	*	NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276	*	"Power is no substitute for skill"

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: N5EM@aol.com
Subject: [2954] Re: late, and loving it
Message-ID: <950831101832_67867472@mail06.mail.aol.com>

In a message dated 95-08-31 09:45:57 EDT, you write:

>I have done a lot of operating and building and the excitement of
>talking to someone on a small radio run by a battery that you
>built yourself is still there.
>
>

Jeff,

Please, give us the details of the battery that you built yourself :-)

72
Ed Manuel, N5EM
n5em@aol.com

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: Mike Robinson <miker@cc.com>
Subject: [2956] Re: late, and loving it
Message-ID: <9508311554.AA00160@voder.nsc.com>

Great stuff, Jeff.

CW beats psycho-therapy any time.

```
=====
7.3 de Michael aa0ub          | QRP:
miker@cc.com                 Norcal #857 | "This thing's a radio?"
=====
Take a look at:
http://www.acs.oakland.edu/oak/SimTel/msdos/hamradio.html
=====
```

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [2958] Re: late, and loving it
Message-ID: <Pine.SUN.3.90.950831073143.17753A-100000@vortex>

On Thu, 31 Aug 1995 N5EM@aol.com wrote:

```
> In a message dated 95-08-31 09:45:57 EDT, you write:
>
> >I have done a lot of operating and building and the excitement of
> >talking to someone on a small radio run by a battery that you
> >built yourself is still there.
> >
> >
> >
> Jeff,
>
> Please, give us the details of the battery that you built yourself :-)
>
> 72
> Ed Manuel, N5EM
> n5em@aol.com
>
```


>

Yea, how many Mason Jars, how much water and etc!

72, Ron, KU7Y

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: JEVERHART@cayman.vf.mmc.com
Subject: [2943] Re: portable mast ideas
Message-ID: <950830213700.208004b0@carib.vf.mmc.com>

Jim, you wrote, in part:

>Any suggestions for a simple, cheap and portable mast? I can handle
>lengths up to about 6-8 feet strapped to the rooftop carrier. A total
>of 16-20 feet should be OK, either ground mounted or possibly on top
>of the car for another 5 feet of elevation.

>

>Any experience with PVC masts? How high can I go with 3/4" or 1"? What
>about couplings to connect 2-3 pieces together? Is it worthwhile to put
>wooden dowels inside the PVC?

I came up with a PVC pipe antenna that probably will appear in QRPp's next issue. In experimenting with various sizes of PVF pipe, I found that the 1" and 1-1/4" sizes next nicely as do the 1-1/2" and 2" sizes. My design two lengths of the latter sizes, telescoped 1 foot and held together with bolts through both. The end height is 19 feet and the base is held in place by slipping it over a 2 foot u-channel fence post. These larger sizes fit the bill for me since they require minimal guying. You'll see why in the article!

I've been experimenting with a mast consisting of four 5 foot sections of 1-1/4" PVC because it fits into the back of my minivan! The sections are connected with 1 foot sections of 1" PVC pipe slipped inside at the joints and again secured with 2" long 3/16 bolts. It's not as rigid as the "home version", but works ok with some light guys in a temporary installation - such as QRP Afield!

As has been stated a number of times here on qrp-1, a low dipole or inverted vee, or even a half wave wire will run rings around a short vertical with a small ground system.

Let us know what you come up with and how well it works.

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: JEVERHART@cayman.vf.mmc.com
Subject: [2952] Re: portable mast ideas
Message-ID: <950831075011.20212607@carib.vf.mmc.com>

Gang,

Ed, N5EM reminded me that the PVC mast idea and the metal fence post were written up by Ed Noll, W3FQJ in a book called Easy-Up Antennas for Radio Listeners and Hams. Thanks, Ed.

Of course that's where I got the idea in the first place and it IS mentioned in the article I submitted to QRPp. I should have included the reference in my e-mail.

BTW, the best prices I've seen locally for PVC pipe are at the Builder's square megastores. Hechingers is a close second and the absolute worst prices by almost 2:1 are at Channel/Rickels.

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Thu Aug 31 19:42:00 1995
From: JCoote@aol.com
Subject: [2964] Re: portable mast ideas
Message-ID: <950831140932_68029068@mail02.mail.aol.com>

In some hardware and electrician's supply stores there are telescoping fiberglass poles used for changing lightbulbs in high fixtures. Some of these may extend to 22-25 feet. A good stiff non-conductive mast.

An antenna company (look in AES catalog) makes telescoping aluminum masts also of varying heights. They also make a mounting base. You drive one of your car wheels over this base to hold it down and then set up the antenna.

Another idea- I imagine an interested ham could insulate the vertical, and run a BUNCH of radials, then feed the base of the antenna with a tuner (right

at the antenna base for best result). A vertical antenna works the best within the range where length is between $1/4$ and $5/8$ wavelength- example a 20' vertical would be best over 11-30 Mhz but would work on 40-30 meters with a tuner at it's base. A 40' vertical would be $5/8$ wave on 20 meters and would work well down to 80 with a tuner. Be sure to use lots of radials 'cause the antenna will be close to ground. Ground rods or a few $1/4$ wave radials won't do as well.

I have also used telescoping aluminum tubing from hardware stores for HF vertical field antennas but my favorite trick was (this is hard to picture) a 20' vertical atop a 20' push-up TV mast. Four guy wires (also 20' with insulators) held up the antenna. Right at the feedpoint of the antenna I used an AH-2 (Icom) auto-tuner. Visualize a 20' groundplane antenna, 20' above ground with four 20' radials. This antenna seemed to have low-angle on the higher HF bands and tuned from 3-30 Mhz.

A few ideas from the AAM skunkworks

73, Jay
WB6AAM